ISSUE SLIP STAPLE AREA (for ad "tional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
|                           |          |        |          |  |  |  |  |  |
| FEE DETERMINATION         | يا محان  |        | 13/100   |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | ;        |        |          |  |  |  |  |  |
| FORMALITY REVIEW          | LCK      | 1034   | 44.10-01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | A·M      | 50 580 | 06.28-01 |  |  |  |  |  |

## INDEX OF CLAIMS

| ✓Rejected                                      | N Non-elected  |
|--|----------------|
| = Allowed                                      | I interference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal       |
| ÷ Restricted                                   | O Objected     |

| Clai                          |                    | 1              | Date            |          |                |                |  |  |            |          |          | Cta           | im       |          |          |            |          | Date     |          |  |          |                 |           |   |               | im            |              | Date            |          |          |          |          |        |          |               |  |
|-------------------------------|--------------------|----------------|-----------------|----------|----------------|----------------|--|--|------------|----------|----------|---------------|----------|----------|----------|------------|----------|----------|----------|--|----------|-----------------|-----------|---|---------------|---------------|--------------|-----------------|----------|----------|----------|----------|--------|----------|---------------|--|
| 1 1                           | -                  | •              | 4               |          | Т              | T              | T  | Π  |            |          |          |               |          |          |          |            | ļ.       |          | Ē        | Г  |          | Т               | $\Box$    |   | -             | $\overline{}$ | T            |                 |          |          | 1        |          | T      |          |               |  |
| 1_1                           | Driginal           | 5<br>31<br>03  | Y               | 1        |                |                |  |  | ļ          |          |          | 1_            | Original |          |          |            |          |          |          |  |          |                 |           |   | _             | Original      |              |                 |          |          | - 1      | li       |        |          | ı             |  |
| Final                         | 8                  | ر<br>20        | $ \mathcal{V} $ | <u>'</u> |                |                |  |  |            |          |          | Final         | rig      |          |          |            |          |          |          |  |          |                 |           |   | Final         | Ē             | 1            |                 | ŀ        |          |          |          |        |          | ĺ             |  |
| "                             | 의                  | ۲              | 400             | <b>r</b> | ╁              | <del> </del> — |  | -  | -          | Н        |          | 4             | 0        |          | -        |            | _        |          | -        | <u> </u>   |          | $\vdash \vdash$ | Н         |   |               |               | $\vdash$     | Н               |          |          | _        | $\vdash$ | -      |          | $\vdash$      |  |
| Ц                             | _4                 | $\overline{Z}$ | V               | 1        | _              | ↓              | ļ  | <u> </u>   | ļ_         | Ш        |          | <u></u>       | 51       |          |          | _          | <u> </u> |          |          |  | ļ        | _               |           |   |               | 101           | _            | Ш               |          |          | _        | _        |        |          | ┕             |  |
| Ш                             | 2                  | 4              | Ц               | <u> </u> | ┖              | _              | ╙  | $oxed{oxed}$                                     |            | Ш        |          | Ш             | 52       |          |          | <u>L</u> . | <u> </u> |          |          |  |          |                 | Ш         |   |               | 102           |              | Ш               |          |          |          |          |        |          | L             |  |
|                               | 3                  | J              | Н               |          |                |                |  |  |            |          |          |               | 53       |          |          |            | İ        |          |          |  |          |                 |           |   |               | 103           | 1            |                 |          |          | 1        |          | - 1    |          | 1             |  |
|                               | 4                  | T              | П               | Г        | 1              |                | Π  |  |            |          |          |               | 54       |          |          |            | Ī        |          |          |  |          |                 |           |   |               | 104           |              |                 |          |          |          |          |        |          | Γ             |  |
|                               | 5                  | T              | П               |          |                |                |  |  |            |          |          |               | 55       |          |          |            |          |          |          |  |          |                 |           |   |               | 105           |              |                 |          |          |          |          |        |          | Γ             |  |
|                               | 6                  | 1              | П               |          |                |                | 1  |  | 1          |          |          |               | 56       |          |          |            |          |          |          |  |          | $\Box$          |           |   |               | 106           | <b>—</b>     |                 |          |          |          |          |        |          | _             |  |
|                               | 7                  | +              | П               | 1        | 1              | 1              | 1-   | 1  | T          | П        |          |               | 57       |          |          |            | -        | _        |          |  |          | H               | $\Box$    |   | _             | 107           | ┼            | М               | -        |          | $\neg$   |          |        |          | Г             |  |
|                               | 8                  | 1              | Н               | ╫        | ╁              | ✝              | ╁  | $\vdash$   |            | Н        |          | -             | 58       |          |          |            |          |          | -        | <del>                                     </del> | Н        | H               | H         |   |               | 108           | +            | 1-1             |          |          | $\dashv$ | Н        |        |          |               |  |
| <b></b>                       | 9                  | +              | $\vdash$        | ╫─       | ╁              | ┼┈             | $\vdash$   | $\vdash$   |            | Н        |          | $\vdash$      | 59       |          |          |            | $\vdash$ | $\vdash$ | _        |  | $\vdash$ | H               | $\vdash$  |   |               | 109           | $\vdash$     | Н               |          |          |          |          |        |          | ┝             |  |
| -                             | 10                 | +              | $\vdash$        | ╀        | $\vdash$       | $\vdash$       | ╁  | $\vdash$   |            | Н        | -        | $\vdash$      | 60       |          |          |            |          | $\vdash$ | -        |  |          | H               | Н         |   |               | 110           | -            | H               | -        |          | $\dashv$ | $\dashv$ |        |          | $\vdash$      |  |
|                               | 11                 | +              | Н               | +        | ╁              |                | $\vdash$   | ┢  |            | -        | _        | $\vdash$      | 61       |          | <u> </u> |            |          |          | _        | <u>-</u> -                                       |          |                 |           |   |               | _             |              |                 |          |          |          | -        | `      |          | ⊢             |  |
| 1 1                           | 12                 | +              | Н               | $\vdash$ | ₩              | ⊬              | ₩  | -  | ļ          | $\vdash$ | _        | Н             | _        |          | -        | -          |          | $\vdash$ | <u> </u> |  | $\vdash$ | $\vdash$        | $\vdash$  |   | _             | 111           | -            | Н               | $\dashv$ |          | -        | Н        | -      |          | $\vdash$      |  |
|                               | _                  | 4              | Н               | 1        | 1              | $\vdash$       | +-   |  |            | -        | _        | Н             | 62       |          | _        | _          | <b>!</b> | -        | <u> </u> | -  |          |                 |           |   | _             | 112           | $\vdash$     | $\vdash \vdash$ | $\Box$   | $\sqcup$ |          | Ш        | $\Box$ |          | $\vdash$      |  |
| <b>∟</b> .}                   | 13                 | 4              | -               | 4        | 4_             | <del> </del>   | <del> </del> _                                   | <u> </u>   | <b> </b>   | Ш        |          | <u></u>       | 63       |          | ļ        |            | <u> </u> | _        | <u> </u> | <u> </u>   | <u> </u> | Li              | Ш         |   | -             | 113           | $\vdash$     | $\sqcup$        |          | Ш        |          | Щ        | _      |          | L.            |  |
| يإ_إ                          | 14                 | 4              | Ц               | <u>_</u> | 1              | $\vdash$       | $\perp$  | _  |            | Ш        |          | Ш             | 64       | Ш        |          | <u> </u>   | <u> </u> | _        |          |  | Ш        | Ш               | Ш         |   | $\overline{}$ | 114           | 1_           |                 |          |          |          |          |        |          | L             |  |
| (                             | 14<br>15<br>16     | 1              | <u>v</u>        | 1_       |                |                |  |  | L          | Ш        |          |               | 65       |          |          |            |          |          |          |  |          | Ш               | Ш         |   | _             | 115           |              |                 |          |          |          |          |        |          | L             |  |
| $\Box$                        | <b>(</b>           | $\prod$        | 1               | 1        | L              |                | $\Box$   |  | L          |          |          |               | 66       |          |          |            |          |          | L        |  |          | L Ì             |           |   |               | 116           | L            |                 |          |          |          | LT       |        | L        | L             |  |
| 1                             | 17                 | T              | 1               |          |                |                |  |  |            | П        | П        | П             | 67       |          |          |            |          |          |          |  |          | Π               |           |   |               | 117           |              |                 |          |          |          |          |        |          | Γ             |  |
|                               |                    | T              | ١               |          | Π              |                |  |  |            | П        |          | П             | 68       |          |          |            |          |          |          |  |          | П               |           |   |               | 118           | Τ            |                 |          |          |          |          |        |          |               |  |
| <b>.</b>                      | 8<br>9<br>20<br>21 | 7              | П               |          | Т              | $\top$         | 1  | <del>                                     </del> |            |          |          |               | 69       |          |          |            |          | _        |          |  |          |                 |           |   |               | 119           | 丅            | H               |          |          | $\neg$   |          |        |          | Г             |  |
| <del>     </del>              | Ы                  | +              | H               | +-       | ╁              | †-             | $\vdash$   | $\vdash$   | <u> </u>   | Н        |          |               | 70       |          |          |            |          |          | $\vdash$ |  |          | $\vdash$        | Н         |   |               | 120           | $\vdash$     | Н               |          |          | $\dashv$ | -        | -      | _        | $\vdash$      |  |
| H;                            | 1                  | +              | ╢               | -        | ₩              | ├              | ┼  | -  | ├          |          | -        | $\vdash$      | _        |          |          |            | -        | -        |          | <u> </u>   | H        | Н               | H         |   | -             | _             | ╁            | Н               | $\dashv$ |          | -        | $\vdash$ | _      |          | H             |  |
| 1                             | 1                  | +              | Н               | ├-       | ├              | ┼-             |  | -  | <b> -</b>  |          |          | Н             | 71       |          |          |            | -        | -        |          |  |          |                 | $\square$ |   | $\overline{}$ | 121           | ╀-           |                 | _        |          | _        | Н        | 1      |          | L             |  |
| 1                             | 2<br>3<br>4        | +              | Н               | ١        | -              |                | ┞  | <del> </del> —                                   | -          |          |          | Н             | 72       | _        |          | -          | _        |          |          | _  |          | $\vdash$        | $\sqcup$  |   |               | 122           |              | Н               | _        |          | _        |          | _      |          | L             |  |
|                               | 1                  | 4              | Ц               | ļ        | ↓_             | <del> </del> _ | <u> </u>   | <del> </del>                                     |            | Н        |          | Ш             | 73       |          |          | _          | <u> </u> |          | _        | <u> </u>   |          | Ш               | Щ         |   |               | 123           | lacksquare   | Ш               | _        | _        |          |          |        |          | L             |  |
| للا                           | 4                  | 1              | Ц               | <u> </u> | <u> </u>       | <u> </u>       | L.   | ļ  |            |          |          | Ш             | 74       |          |          |            |          | L        |          |  |          | Ш               |           |   | -             | 124           | $\sqcup$     | Ш               | _        | _        | _        |          |        |          | L             |  |
| LQ.                           | 25<br>26           | 1              | Ц               | ļ        | _              | _              | <u> </u>   |  |            | Ш        |          |               | 75       |          |          |            | L        |          |          |  |          |                 |           |   | $\overline{}$ | 125           |              |                 | _        | _        | _        |          | _      |          | L             |  |
| $\Box$                        | <u> </u>           | 1              | Ц               | <u> </u> |                | L              |  |  |            | Ш        | _        | Ш             | 76       |          |          |            |          |          |          |  |          | Ш               |           |   | _             | 126           |              |                 |          |          |          |          |        |          | L             |  |
| _();                          | <b>37</b>          |                | Ц               | L.,      | L              |                |  |  |            |          |          | Ш             | 77       |          |          |            |          |          |          |  |          |                 |           |   |               | 127           |              |                 |          |          |          |          |        |          |               |  |
| G                             | 28                 | Ī              |                 |          |                |                |  |  |            |          |          |               | 78       |          |          |            |          |          |          |  |          |                 |           |   |               | 128           |              |                 | Ì        | Ī        |          |          | ]      |          |               |  |
|                               | 29                 | T              | П               |          |                |                |  |  |            |          |          |               | 79       |          |          |            |          |          |          |  |          |                 |           |   |               | 129           |              |                 |          |          |          |          |        |          |               |  |
|                               | 30                 | Т              | П               |          | П              |                | Г  |  |            | П        |          |               | 80       |          |          |            |          |          |          |  |          |                 |           |   |               | 130           |              |                 |          |          |          |          |        |          | Γ             |  |
|                               | 31                 | 1              | Т               | 1        | Г              | -              |  | T  |            | П        |          |               | 81       |          |          |            |          |          |          |  |          |                 |           |   |               | 131           | $\vdash$     |                 |          | $\neg$   | $\neg$   |          |        | _        | $\vdash$      |  |
|                               | 32                 | †              | 1               | ╁        | 1              | 1              |  | $\dagger$  |            |          | ╗        | П             | 82       |          |          | _          |          |          |          | _  | _        |                 |           |   |               | 132           | +            |                 | _        |          | _        |          |        |          | г             |  |
|                               | 3                  | T              | H               | ╁        | 1              | $\vdash$       | 1  | $\vdash$   |            | Н        | ヿ        |               | 83       |          |          |            |          | _        |          |  |          |                 |           |   |               | 133           | <del> </del> |                 | 一        |          | 1        |          |        |          | F             |  |
| +                             | 4                  | +              | +               | +        | +              | +-             | 1  | <del>                                     </del> | -          | $\vdash$ | -        |               | 84       | $\dashv$ |          |            | Ι        | -        |          | H  |          | $\vdash$        | $\vdash$  |   |               | 134           | $\vdash$     | $\vdash$        | $\dashv$ | -        |          |          |        |          | -             |  |
| $\vdash \vdash \vdash \vdash$ |                    | +              | H               | 1        | 1              | 1              | +  | $\vdash$   | Н          | $\vdash$ |          |               | 85       |          |          |            |          |          |          | $\vdash$   | H        |                 | $\vdash$  |   |               | 135           | -            | $\vdash$        |          | $\dashv$ |          |          |        | -        | -             |  |
| +                             | Ĭ                  | +              | H               | +        | 1              | -              | +  | -  | $\vdash$   | Н        | $\dashv$ | -             | 86       |          | H        |            |          | Н        |          | $\vdash$   |          | $\vdash \vdash$ | $\vdash$  |   |               | 136           | +-           | $\vdash$        |          |          | -        | -        |        | -        | $\vdash$      |  |
| ++1                           | 4<br>5<br>6<br>7   | +              | H               | 1        | ╀              | ┼              | ┼  | ├  | $\vdash$   | $\vdash$ |          |               | 87       | -        | <u> </u> | _          | <u> </u> | $\vdash$ |          | <u> </u>   |          | $\vdash \vdash$ | $\dashv$  |   |               |               | ┼            | ┝╌┤             |          | -        |          |          |        | -        | -             |  |
| ;                             | ¥¦                 | 4              | 4               | -        |                | ₩              | <del> </del>                                     | <del> </del>                                     |            | $\vdash$ | -1       |               |          |          |          | H          | H        | Ш        |          |  |          | $\vdash \dashv$ | $\vdash$  |   |               | 137           |              | $\sqcup$        |          |          | _        | _        | _      |          | $\vdash$      |  |
| <u> </u>                      | 1                  | 4              | Ц               | 1        | <u> </u>       | ļ              | <u> </u>   | <b> </b>   | <b> </b> _ |          | _        | $\vdash$      | 88       |          | _        |            | _        |          |          | Ь.,  |          |                 | Щ         |   | $\rightarrow$ | 138           | $\sqcup$     | Ш               |          | _        |          | _        | _      |          | <u> </u>      |  |
| الل                           | <b>1</b>           | 1              | Ц               | 1        | _              | _              | $oxed{oxed}$                                     | $\perp$  | <u> </u>   | Щ        | _        | $\rightarrow$ | 89       |          |          | Ш          | L.       | L        |          | Ш  |          | Ш               | $\Box$    |   | -             | 139           | Ш            | Ц               | 1        |          | _        |          |        |          | _             |  |
| ألنا                          | 9                  | Ш              | Ц               | L        | L              | L              | L  | L  |            |          | [        |               | 90       |          |          | Li         | L        |          |          |  |          |                 |           |   |               | 140           | $\perp$      | ╚               |          |          |          |          | _      |          | L             |  |
| 1                             | Į,                 | Τ              | П               | Г        | Г              | П              | Π  |  |            |          |          | П             | 91       |          |          |            |          |          |          |  |          |                 | $\Box$    |   |               | 141           |              |                 |          | $\neg$   | ヿ        |          |        |          | Γ             |  |
| - 14                          | 4                  | 7              | D               | +        |                | П              | <del>                                     </del> | 1  | П          | П        | ٦        | П             | 92       |          |          |            |          | П        |          | _  |          |                 | $\neg$    |   |               | 142           | П            | $\Box$          |          |          | 1        |          |        |          |               |  |
|                               | 43                 | -              | <u> </u>        | t        |                | T              | <del>                                     </del> |  | П          | $\Box$   | ┪        | $\rightarrow$ | 93       | $\dashv$ |          |            |          | М        |          |  | $\Box$   | $\Box$          | $\dashv$  | ŀ |               | 143           | Н            | $\vdash$        | 一        |          | $\dashv$ |          | _      |          | $\overline{}$ |  |
| _                             | 44                 | _              | _               | 1        | †              | t              | $\vdash$   | $\vdash$   |            |          | ᅥ        | -             | 94       | -        | $\vdash$ | $\vdash$   | $\vdash$ | Н        |          | М  | Н        | -               | -         |   | _             | 144           | $\vdash$     | $\vdash$        | -+       |          | 一        |          | +      |          | _             |  |
| 1                             | 45                 |                | -               | +-       | <del>  -</del> | +              | ┢  |  | -          | $\vdash$ |          |               | 95       | -1       |          | $\dashv$   | Н        | Н        | -        | H  | H        | $\dashv$        | $\dashv$  | ŀ |               | 145           | $\vdash$     | $\vdash$        | $\dashv$ | -        | -        | ┪        |        | -        | _             |  |
|                               | 46                 | _              | -               | +        | 1              | $\vdash$       | $\vdash$   | $\vdash$   | -          | $\vdash$ | ᅱ        |               | 96       | $\dashv$ |          | -          |          | $\vdash$ |          | $\vdash$   | $\vdash$ | $\dashv$        | -         | . | _             | 46            | Н            | $\vdash$        |          | $\dashv$ | -        | -        |        | -        |               |  |
|                               | 47                 | _              | -               | +-       | -              | -              | ├-   |  |            |          | $\dashv$ |               | 97       |          | -        |            | T        | H        |          | $\vdash$   | -1       | $\dashv$        | $\dashv$  | } |               |               | $\vdash$     |                 | $\dashv$ |          | +        |          |        | $\dashv$ |               |  |
|                               |                    |                | <del> -</del>   |          | ┼              | <del> </del>   | ↓_   |  |            | -        | _        |               |          |          | Ш        |            |          | Ц        |          |  | _        | $\sqcup$        | 4         | ļ |               | 147           |              | $\vdash$        |          |          | -4       |          |        |          |               |  |
|                               | 48                 |                | Ľ.              | ₩        | -              | -              | <b>├</b>   | ļ  | $\vdash$   | $\sqcup$ | _        |               | 98       |          |          |            |          |          |          |  |          | [               |           | ļ | _             | 148           | Н            |                 | 4        |          | $\dashv$ |          |        | _        |               |  |
|                               | 49<br>50           |                | <u> </u>        | -        | $\vdash$       | -              | ـ  | -  | 1          | $\sqcup$ | _        |               | 99       | _        | Ш        | Ц          | L        |          |          | <u> </u>   |          | _               |           |   | ¦             | 149           | Н            |                 | 4        | 4        |          | _        | _      | _        |               |  |
| ) T-                          | - ( ) I            |                | ı               | 1        | 1              | 1              | 1  | í  | L          |          |          | ш             | 100      | ļ        | 1        | . ]        |          |          |          |  |          |                 |           | Į |               | 150           | ш            | ┸               | 1        |          |          |          | _ ]    |          |               |  |

If more than 150 claims or 10 actions staple additional sheet here

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